

Amendments to the Claims

Please replace all prior versions and listings of claims with the following listing of claims.

1. **(Currently Amended)** A lithographic apparatus comprising:
an illumination system configured to condition a radiation beam;
a support constructed to support a patterning device, the patterning device being
constructed and arranged to impart the radiation beam with a pattern in its cross-section
to form a patterned radiation beam, the patterning device having a first side and a
second side situated substantially opposite each other and the second side having a
first end and a second end situated substantially opposite each other;
wherein the support is arranged to subject, at least when the support is
accelerated, the first side of the patterning device to at least one first force in a first
direction normal to a second direction of the acceleration so that an acceleration of the
patterning device with respect to the support is counteracted by frictional forces
occurring at a contact area between the patterning device and the support, wherein the
support is associated with a clamping device which is arranged to subject the second
side of the patterning device to at least one second force in the first direction, at least
when the support is accelerated, and to dynamically vary the at least one second force
during motion of the patterning device in an automatic fashion depending on a
magnitude of motion of the patterning device, the clamping device further configured to
apply, when there is an acceleration in the second direction, the at least one second
force in atthe positive first direction at the first end of the second side and no second
force or second force in atthe negative first direction at the second end of the second
side.

2. **(Cancelled)**

3. **(Original)** A lithographic apparatus according to claim 1, wherein the clamping
device is arranged to provide the at least one second force substantially coinciding with
the at least one first force.

4. **(Original)** A lithographic apparatus according to claim 1, wherein the clamping device is arranged to provide the at least one second force while minimizing areas of contact of which frictional forces can act between the clamping device and the patterning device when the patterning device is accelerated with respect to the clamping device.
5. **(Original)** A lithographic apparatus according to claim 1, wherein the clamping device is arranged to exert the at least one second force actively.
6. **(Original)** A lithographic apparatus according to claim 1, wherein the clamping device is arranged to exert the at least one second force passively.
7. **(Original)** A lithographic apparatus according to claim 1, wherein the clamping device is removable.
8. **(Original)** A lithographic apparatus according to claim 7, wherein the clamping device is actively connectable to the support.
9. **(Original)** A lithographic apparatus according to claim 7, wherein the clamping device is passively connectable to the support.
10. **(Original)** A lithographic apparatus according to claim 1, wherein the clamping device is connected to the support.
11. **(Original)** A lithographic apparatus according to claim 10, wherein the clamping device is arranged to dynamically exert the at least one second force when the support is being accelerated.
12. **(Previously Presented)** A lithographic apparatus according to claim 11, wherein the clamping device comprises at least one mass configured to dynamically exert by its

inertia the at least one second force.

13. **(Original)** A lithographic apparatus according to claim 1, wherein the clamping device is arranged to provide additional contact area for enhancing the frictional forces needed to overcome to cause acceleration of the patterning device relative to the support when the support is accelerated.

14. **(Original)** A lithographic apparatus according to claim 1, wherein the clamping device is arranged to abut the support.

15. **(Original)** A lithographic apparatus according to claim 1, wherein the lithographic apparatus is provided with a handler for handling the patterning device with respect to the support, wherein the handler is also arranged to handle the clamping device.

16. **(Previously Presented)** A support constructed to support a first side of a patterning device, the patterning device capable of imparting a radiation beam incident on a second side of the patterning device with a pattern in its cross-section to form a patterned radiation beam;

the support being arranged to subject, at least when the support is accelerated, the first side of the patterning device to a clamping force, and wherein the support is associated with a clamping device which is releasably attached to a surface of the support extending substantially perpendicularly to the first side of the patterning device and facing towards the patterning device, the clamping device arranged to subject the second side of the patterning device to an additional clamping force, at least when the support is accelerated, the first and second side of the patterning device situated substantially opposite each other and the clamping device being connected to a vacuum tube.

17. **(Cancelled)**

18. **(Original)** A support according to claim 16, wherein the clamping device is

connected to said support by clamping elements.

19. **(Original)** A support according to claim 18, wherein said clamping elements comprise vacuum suction tubes.

20. **(Original)** A support according to claim 19, wherein the clamping device is shaped to be connected to said support by clamp fitting.

21. **(Original)** A support according to claim 16, wherein said clamping device comprises a resilient structure for providing said additional clamping force by push pressure.

22. **(Previously Presented)** A lithographic apparatus according to claim 1, wherein said clamping device comprises a pivoting lever assembly, said lever assembly being pivotable around a pivot that is in fixed positional relationship to said support and comprising a lever part contacting said patterning device so as to provide the at least one second force on said patterning device while being pivoted, and an actuator arranged to pivot said pivoting lever assembly.

23. **(Previously Presented)** A lithographic apparatus according to claim 1, wherein said clamping device comprises a pivoting lever assembly, said assembly being pivotable around a pivot that is in fixed positional relationship to said support and comprising a lever part contacting said patterning device so as to provide the at least one second force on said patterning device while being pivoted wherein the assembly comprises an inertial mass element, fixedly connected to the pivoting assembly so as to pivot the assembly during accelerations.

24. **(Currently Amended)** A device manufacturing method comprising:
transferring a pattern from a patterning device onto a substrate;
supporting the patterning device using a support, the patterning device having a first side and a second side situated substantially opposite each other and the second

side having a first end and a second end situated substantially opposite each other; accelerating the support; subjecting the first side of the patterning device to at least one first force in a first direction normal to a second direction of the acceleration so that an acceleration of the patterning device with respect to the support is suppressed by frictional forces occurring at a contact area between the patterning device and the support; and subjecting the second side of the patterning device to at least one second force in the first direction, at least when the support is accelerated, the at least one second force being dynamic during motion of the patterning device in an automatic fashion depending on a magnitude of motion of the patterning device, wherein, when there is an acceleration in the second direction, the second side of the patterning device is subjected to the at least one second force in atthe positive first direction at the first end of the second side and the second side of the patterning device is subjected to no second force or second force in atthe negative first direction at the second end of the second side.

25. (Cancelled)

26. (Original) A method according to claim 24, wherein the method comprises providing the second force substantially coinciding with the at least first force.

27. (Original) A method according to claim 24, wherein the method comprises providing the at least one second force while minimizing areas of contact at which frictional forces can act between the clamping device and the patterning device when the patterning device is accelerated with respect to the clamping device.

28. (Original) A method according to claim 24, wherein the method comprises exerting the at least one force actively.

29. (Original) A method according to claim 24, wherein the method comprises exerting the at least one force passively.

30. **(Previously Presented)** A method according to claim 24, wherein the clamping device is removable.
31. **(Original)** A method according to claim 30, wherein the method comprises actively connecting the clamping device to the support.
32. **(Original)** A method according to claim 30, wherein the method comprises passively connecting the clamping device to the support.
33. **(Original)** A method according to claim 24, wherein the clamping device is connected to the support.
34. **(Previously Presented)** A method according to claim 33, wherein the clamping device dynamically applies the at least one second force when the support is being accelerated.
35. **(Previously Presented)** A method according to claim 34, wherein the clamping device comprises at least one mass configured to dynamically exert by its inertia the at least one second force.
36. **(Original)** A method according to claim 24, wherein the method comprises providing contact area between the clamping device and the support for enhancing the frictional forces needed to overcome to cause acceleration of the patterning device relative to the support when the support is accelerated.
37. **(Original)** A method according to claim 24, wherein the method comprises abutting of the clamping device and the support.
38. **(Original)** A method according to claim 24, wherein the method comprises handling the patterning device with respect to the support using a handler which is also

arranged to handle the clamping device.

39. **(Previously Presented)** A method comprising:

supporting a patterning device, having a first side and a second side, by the first side using a support;

releasably attaching a clamping device to a surface of the support extending substantially perpendicularly to the first side of the patterning device and facing towards the patterning device, the clamping device connected to a vacuum tube;

accelerating the support;

subjecting the first side of the patterning device to at least one first force normal to the direction of the acceleration so that an acceleration of the patterning device with respect to the support is suppressed by frictional forces occurring at a contact area between the patterning device and the support; and

subjecting the second side of the patterning device to at least one second force normal to the direction of the acceleration of the support, at least when the support is accelerated, using the clamping device.

40. – 41. **(Cancelled)**